

CLIPPEDIMAGE= JP408019334A

PAT-NO: JP408019334A

DOCUMENT-IDENTIFIER: JP08019334 A

TITLE: FLOWER POT RECEIVER HAVING COVER

PUBN-DATE: January 23, 1996

INVENTOR-INFORMATION:

NAME

ITO, HIROYUKI

ASSIGNEE-INFORMATION:

NAME

KK MIIMU

COUNTRY

N/A

APPL-NO: JP06176217

APPL-DATE: July 6, 1994

INT-CL\_(IPC): A01G009/04; A01G009/00 ; A47G007/08

ABSTRACT:

PURPOSE: To obtain the flower pot receiver having a cover, capable of preventing to wet the peripheral floor surface, when water is given to a foliage plant, etc., enhancing moisture retainability in the flower pot, facilitating the carriage of the flower pot, and improving the peripheral fine view of the flower pot and the heat retainability of the flower pot.

CONSTITUTION: The flower pot receiver having the cover comprises a water-

impermeable flexible cover member 1, a flat plate-like bottom surface member 2 disposed at the center of the cover member 1, and a string member 3 engaged with the flexible cover member 1 at places near the outer edge part of the flexible cover member 1 to change the outer edge part into an upper narrow shape.

COPYRIGHT: (C)1996,JPO

## 【特許請求の範囲】

【請求項1】 不透水性の可撓カバースタイルと、その中央部に設けた平板状底面体と、前記可撓カバースタイルの外縁部近傍で該可撓カバースタイルに係合し、この外縁部を上窄み状にする紐体とを有することを特徴とする植木鉢カバー付き受け皿。

【請求項2】 不透水性の可撓カバースタイルと、その中央部に設けた平板状底面体と、前記可撓カバースタイルの外縁部側周囲に複数の孔を開け、そこに挿通せしめて係合させることでこの外縁部を上窄み状にする紐体とを有することを特徴とする請求項第1項記載の植木鉢カバー付き受け皿。

## 【発明の詳細な説明】

【0001】

【産業上の利用分野】この発明は、植木鉢のカバーを兼ねた水受け皿に関する。

【0002】

【従来の技術】植木鉢内の土壌中に保水される水や栄養分の一部は、植木、草花、観葉植物等（以下観葉植物等という）の根から吸い上げられるが、残ったものはやがて該土壌から鉢外部に抜ける。下部に穴の開いた鉢では、その周辺が水浸しになってしまうため、水受け皿の上に該植木鉢を置き、水受け皿に抜けた水等は、そこで蒸発・散逸する。

【0003】

【発明が解決しようとする課題】上記水受け皿上の植木鉢の観葉植物等に如雨露で水をあげた場合、その排出口の高さ位置によっては、植木鉢及び水受け皿より外部にその一部が飛び散り、跳ね水が周辺床面を濡らすことになってしまう。

【0004】また水受け皿に抜けた水は、そこで直ぐに蒸発・散逸するため、保湿性があまり良くない。更に移動の際には、植木鉢と水受け皿の両方を持ち運ばねばならず、手間が掛かるという問題がある。

【0005】本発明は以上のような問題に鑑み創案されたもので、その目的とするところは、上記観葉植物等に水をあげる場合に周辺床面を濡らすことがないようにすることにある。また水受け皿に抜けた水が直ぐに蒸発・散逸することがないようにして保湿性を高めることもその目的としている。更には植木鉢の持ち運びを容易にすると共に、周りの美観の向上や該植木鉢の保温性の向上も目的としている。

【0006】

【課題を解決するための手段】そのため本発明は、不透水性の可撓カバースタイルと、その中央部に設けた平板状底面体と、前記可撓カバースタイルの外縁部近傍で該可撓カバースタイルに係合し、この外縁部を上窄み状にする紐体とを有することを基本的特徴としている。

【0007】上記紐体の可撓カバースタイルへの係合方法に関

け、そこに紐体を挿通せしめることで、係合させることが可能となる。

【0008】前記可撓カバースタイルとしては、ビニール等の合成樹脂で構成される被覆体が好適であるが、その他に各種繊維で構成される布地に澆水処理を施したもののでも良い。

【0009】前記底面体としては、プラスチック板体等の或程度剛性のあるものが良いが、自然木や合成木等で構成される板体等も使用可能である。

10 【0010】前記紐体としては、装飾性を考慮して帯状のリボン等が好適であるが、それに限定されず、帯状になっていないものでも良い。

【0011】

【作用】通常の使用状態にあつては、可撓カバースタイルの中央部に位置する平板状底面体に植木鉢を置いた状態で、この紐体の両端を引っ張って結わえることで、植木鉢の上部で可撓カバースタイルの外縁部を上窄み状にしながらか植木鉢側面を覆う。一方植木鉢内の観葉植物等に水をやる場合は、紐体の結びを解いて可撓カバースタイルを広げて水をやるようにする。このようにすると、植木鉢上端縁部より外に飛び散った水は、広げられた可撓カバースタイルにキャッチされて底面体側に集められ、周辺床面を濡らすことがない。

【0012】

【実施例】以下本発明の具体的実施例を添付図面に基づき説明する。

【0013】図1乃至図5は、観葉植物6の植えられた植木鉢5に取り付けられる本発明に係るカバー付き受け皿の一実施例構成を示す図面である。

30 【0014】これらの図面において、本実施例の植木鉢カバー付き受け皿は、可撓カバースタイル1と、その中央部に設けられた底面体2と、前記可撓カバースタイル1の外縁部近傍でこれに係合する紐体3とを有している。

40 【0015】上記可撓カバースタイル1は、自由に撓めることができ、且つ水を通さない材質のものであれば特に限定はないが、本実施例ではビニール製のシートが用いられている。図2に示すように、展開状態では略円形状に形成されている。そしてその中央部に設置された後述する底面体2外縁部分に相当するシートより外周にいくに従って広がる（同時にその溝深さが大きくなる）ような放射状の縦皺を作る。更に図3に示すように、ハトメ4a間の紐体3が露出していない部分の可撓カバースタイル1外面の一部を上下方向で接着すると共に、その根本部分についても内面の一部を水平方向で接着する。このようにハトメ4a間の紐体3が露出していない部分の外面の一部を上下方向で接着することで、後述する図4に示すように、紐体3を縛って可撓カバースタイル1を上窄み状にした際に、ハトメ4a間の紐体3が露出していない部分が外側にくびれ、該可撓カバースタイル1の外縁部がフリル状に外側

分の内面の一部を水平方向で接着することにより、可撓カバー体1を円錐台形状にした際に、放射状の縦皺がきれいに浮き出ることになる。そしてこの可撓カバー体1の外面側には、任意の色彩・模様が付されており、植木鉢側面を覆った時に装飾的効果が高められるようにしてある。尚特に図示はしていないが、可撓カバー体1の外周部分を断面Z状に折り畳んで接着し、更にそこにフリル状の部分形成しても良い。

【0016】また底面体2は、植木鉢の荷重を支える底面部を構成するため、或程度剛性のある平面状の板体を用いる必要があるが、本実施例ではプラスチック製の板体が用いられ、同じく図2に示すように、円形状に形成されている。

【0017】上記紐体3は、装飾性を高めるため、帯状のリボンを用いている。本実施例では、前記可撓カバー体1の外縁部側周囲（カバー体シート中心より植木鉢の半径R+植木鉢の高さH+植木鉢の縁幅W+更に若干の長さeの位置の円周上）に、規則正しいピッチで複数（少なくとも10カ所以上）の孔4を開け、そこにハトメ4aを取り付けて（又は縁かがり等の処理でも良い）、その中に該紐体3を挿通せしめることで、可撓カバー体1に係合させている。

【0018】図4に示すように、該可撓カバー体1内に植木鉢5を入れてこの紐体3の両端を引っ張って結わえると、植木鉢5の上部で可撓カバー体1の外縁部が上窄み状になった状態で、該植木鉢5側面を覆うことになる。

【0019】一方、植木鉢5内に植えられた観葉植物6に水をやる際には、紐体3をほどき、図5に示すように可撓カバー体1を逆ハの字状に広げて行うようにする。このようにすると、植木鉢5上端縁部より外に飛び散った水は、広げられた可撓カバー体1にキャッチされて底面体2側に集められ、周辺床面を濡らすことがない。

【0020】

【発明の効果】以上詳述した本発明に係る植木鉢カバー付き受け皿の構成によれば、可撓カバー体を逆ハの字状に広げた状態で植木鉢内の観葉植物等に水をあげることにより、植木鉢上端縁部より外に飛び散った水は広げられた可撓カバー体にキャッチされ、周辺床面を濡らすことがない。また可撓カバー体内に植木鉢を入れた状態で紐体の両端を引っ張って結わえると、この植木鉢の上部で可撓カバー体の外縁部が上窄み状になり、植木鉢の側面を覆うことになる。そのため、植木鉢周りの装飾的効果を高めたり、該植木鉢の保温性を高めることが可能となるばかりではなく、植木鉢内を通して底面体側に抜けた水は直ぐに蒸発・散逸することがなく、保湿性の向上を図ることができる。加えて植木鉢カバー及び水受け皿構成が一体となって植木鉢に取り付けられるため、移動の際これらを別々に持ち運ぶ必要がなくなる。

【図面の簡単な説明】

【図1】観葉植物の植えられた植木鉢に取り付けられる本発明に係るカバー付き受け皿の一実施例構成を示す側面図である。

【図2】本実施例のカバー付き受け皿の展開図である。

【図3】本実施例のカバー付き受け皿の側面部分拡大図である。

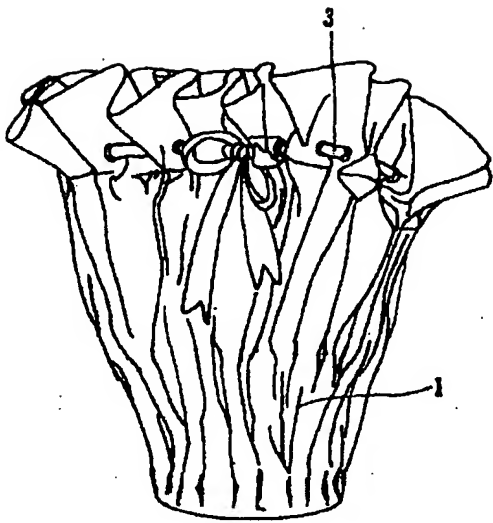
【図4】本実施例のカバー付き受け皿を植木鉢に取り付けた状態を示す説明図である。

【図5】本実施例のカバー付き受け皿のカバー体部分を広げて植木鉢内に水をあげる状態を示す断面図である。

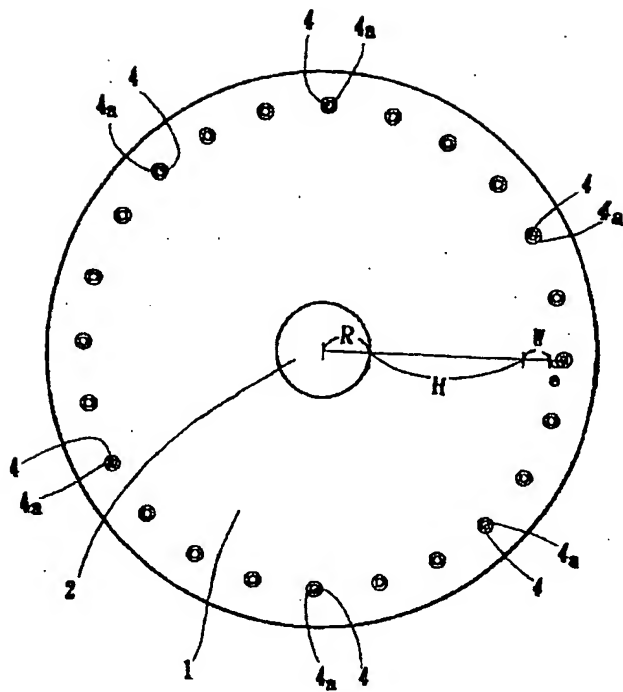
【符号の説明】

1	可撓カバー体
2	底面体
3	紐体
4	孔
4a	ハトメ
5	植木鉢
6	観葉植物

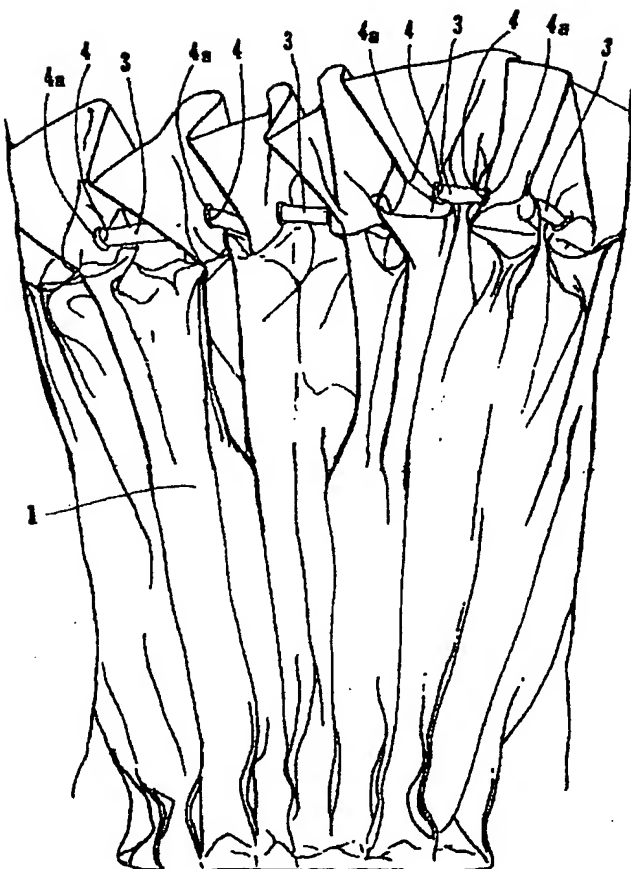
【図1】



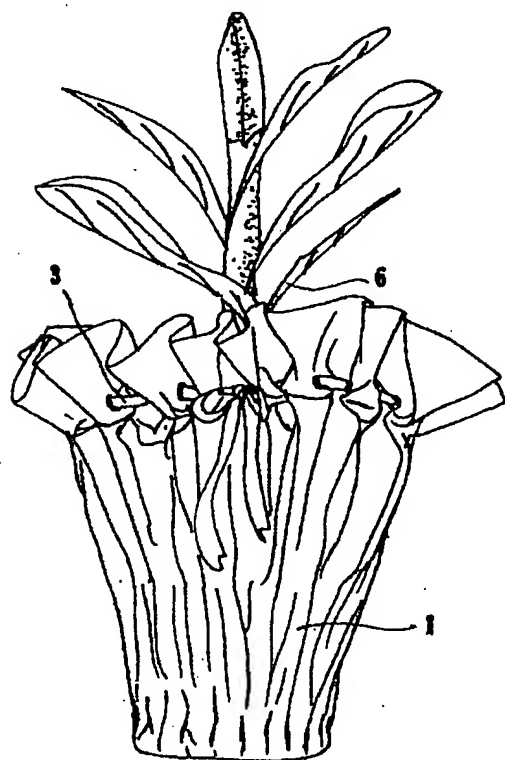
【図2】



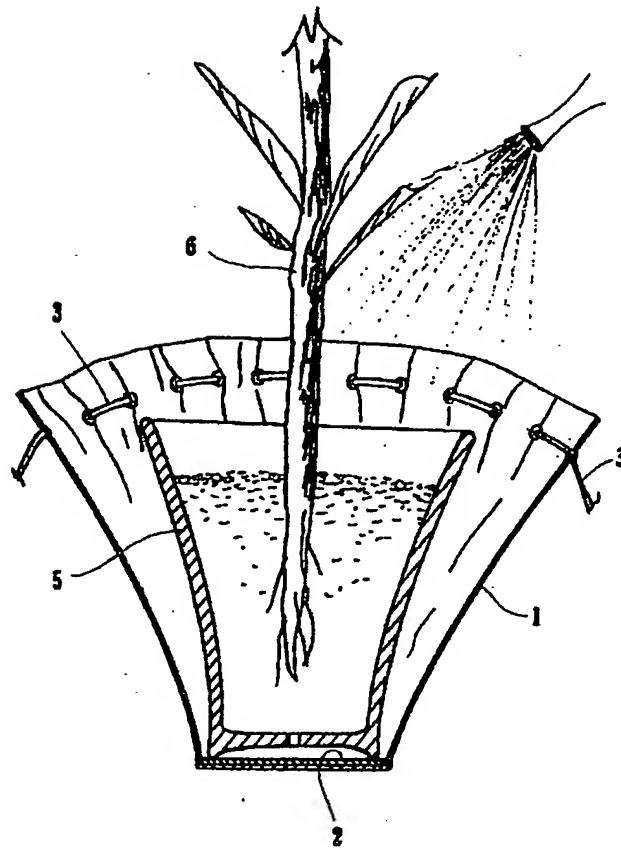
【図3】



【図4】



【図5】



Japan Hei 8-19334

Translation

(19) Japanese Patent Office (JP) (12) Official Gazette for Unexamined Patent Applications (A)  
 (11) Japanese Unexamined Patent Application Publication No. Hei 8-19334  
 (43) Kokai Publication Date: Jan 23, 1996

(15) Int. Cl. <sup>6</sup>	Identification No.	Internal Reference No. FI	Tech. Ind.
A01G 9/14		9138-2B	
9/00	H	9138-2B	
A47G 7/08			

Examination request: Not filed Number of claims: 2 FD (total 5 pages)

(21) Application No. Hei 6-176217	(71) Applicant: 394015969
(22) Filing Date: July 6, 1994	Miimu YK
	4-9 Edogawadai Higashi, Nagareyama-shi, Chiba Prefecture
	(72) Inventor: ITO, Hiroyuki
	c/o Miimu YK
	253-12 Nakane, Noda-shi, Chiba Prefecture
	(74) Agent: Shozo YOSHIWARA, patent attorney (and one other person)

(54) Title of the Invention

FLOWERPOT RECEIVING DISH WITH COVER

(57) [Abstract]

[Purpose] [The present invention] has the objective of preventing the surrounding floor surface from being dampened when the aforesaid [sic] foliage plant etc. is watered and increasing the moisture retention properties inside a flowerpot, along with facilitating the moving of the flowerpot, improving the esthetic appearance of the area surrounding said flowerpot and increasing heat retention properties of the flowerpot.

[Constitution] [The present invention] comprises a water-impermeable flexible cover member 1, a flat bottom face member 2 disposed in the center thereof and a lace member 3, which is engaged with said flexible cover member in the vicinity of the outer edge part of said flexible cover member 1 and gathers up said edge part.

**[Claims]**

[Claim 1] A flowerpot receiving dish with cover characterized as comprising a water-impermeable flexible cover member, a flat bottom face member disposed in the center thereof and a lace member, which is engaged with said flexible cover member in the vicinity of the outer edge part of said flexible cover member and gathers up said edge part.

[Claim 2] A flowerpot receiving dish with cover according to claim 1, characterized as comprising a water-impermeable flexible cover member, a flat bottom face member disposed in the center thereof and a lace member, which gathers up said outer edge part of said flexible cover member by the formation of a plurality of holes therein and insertion through such holes and engagement of said lace member with said outer edge part.

**[Detailed Description of the Invention]**

[0001]

[Industrial Field of Application] Present invention relates to a water receiving dish which also serves as a cover for a flowerpot.

[0002]

[Prior Art] A portion of the water and nutrients held in the soil inside a flowerpot is absorbed by the roots of the plant, flower, foliage plant or the like (hereinafter referred to as "foliage plant, etc."), but the remaining portion escapes through said soil out of the pot. With pots having a hole formed in the bottom, since the surrounding area becomes inundated with water, said flowerpot is placed on a water receiving dish, and the water, etc., that has escaped onto said water receiving dish is there evaporated or dispersed.

[0003]

[Problems that the Invention Is to Solve] When water is given by a sprinkling bucket to a foliage plant etc., in a flowerpot on the aforesaid water receiving dish depending upon the hike position of the outlet opening thereof, a portion of the water may splash or spatter from the flowerpot or water receiving dish and wet the surrounding floor area.

[0004] Moreover, since the water in the water receiving dish is immediately evaporated and dispersed, the moisture retaining properties are not very good. Furthermore, when moving the pot, there is the problem that both the flowerpot and the water receiving dish must be picked up and carried, which is troublesome.



[0005] The present invention was devised in light of these problems and has the objective of preventing the surrounding floor from becoming wet when water is given to the aforesaid foliage plant, etc. Another objective is to improve the moisture retention properties so that water that has drained into the water receiving dish is not immediately evaporated and dispersed. A further objective is to facilitate the moving of potted plants and to improve the appearance of the area and the temperature retention properties of said flowerpot.

[0006]

[Means Used to Solve Problems] The present invention of this purpose is, basically characterized as comprising a water-impermeable flexible cover member, a flat bottom face member disposed in the center thereof and a lace member, which is engaged with said flexible cover member in the vicinity of the outer edge part of said flexible cover member and gathers up said edge part.

[0007] With respect to the method of engagement of the aforesaid lace member to the aforesaid flexible cover member, such engagement can be achieved by forming a plurality of holes on the periphery of the outer edge part of this flexible cover member and passing the lace member through such holes.

[0008] As the aforesaid flexible cover member, a coated material comprising a synthetic resin such as vinyl is appropriate, but in addition fabrics composed of various types of fiber that have undergone water repellency treatment may also be used.

[0009] As the aforesaid bottom face member, an object which is to a certain extent rigid such as a plastic plate may be used, but plates and the like made of materials such as natural wood or synthetic would may also be used.

[0010] As the aforesaid lace member, a tape-form ribbon or the like is desirable from the aspect of decorativeness, but there is no specific limitation to such a form, and a member of which does not have a tape form may also be used.

[0011]

[Operation] In a normal mode of use, with a flowerpot placed on the flat bottom face member which is disposed in the center of the flexible cover member, by pulling tight and tying both ends of the lace member, the outer edge of the flexible cover member can be gathered up at the upper part of the flowerpot and made to cover the sides of said flowerpot. When watering the foliage plant, etc. in the flowerpot, watering can be performed after the lace member has been untied and

the flexible cover member spread out. By this means, water which has splashed over the upper rim of the flowerpot is captured by the flexible cover member which has been spread and is collected at the bottom face member, preventing the surrounding floor area from being dampened.

[0012]

[Working Examples] Specific working examples of the present invention are described below referring to the attached drawings.

[0013] Fig. 1 through Fig. 5 are drawings which show a working example of the receiving dish with cover of the present invention, which is attached to a flowerpot 5 in which a foliage plant 6 has been planted.

[0014] In these drawings, the flowerpot receiving dish with cover of the working example comprises a water-impermeable flexible cover member 1, a flat bottom face member 2 disposed in the center thereof and a lace member 3 which is engaged with said flexible cover member in the vicinity of the outer edge part of said flexible cover member 1.

[0015] The aforesaid flexible cover member 1 is not limited in terms of material, so long as it is a freely flexible material that is water-impermeable, but in this working example a vinyl sheet is used. As shown in Fig. 2, when spread it has a circular form. It also has pleats formed in a radiating pattern which become wider (with the depth of the groove thereof simultaneously increasing) as they move outward from the part of the sheet in contact with the circumferential edge of the bottom face member 2, discussed below, which is disposed in the center part thereof. As shown in Fig. 3, the portions on the outer face of the flexible cover member 1 in the area where the lace member 3 is not exposed between eyelets 4a are bonded in the vertical direction, and the portion on the inside with respect to the base part is bonded in the horizontal direction. In this way, by bonding the portion on the outside of the area where the lace member 3 is not exposed between the eyelets 4a, as shown in Fig. 4, which is explained below, when the flexible cover member 1 is in gathered up by drawing the lace member 3, the portion where the lace member 3 is not exposed between the eyelets 4k is constricted on the outside, and the outer edge of said flexible cover member 1 opens outward in a frilled form and so offers a pleasing appearance. By bonding the portion on the inside the base area in the horizontal direction, when the flexible cover member 1 has the form of a truncated cone, the radiating pleats puff out attractively. The outside of this flexible cover member 1 may be provided with a desired color or

pattern, increasing the decorative effect when used to cover the sides of a flowerpot. Although not shown in the drawings, the outer circumferential part of the flexible cover member 1 may be attached by folding in a cross-sectional Z shape, or a frilled part may be formed thereon.

[0016] Since the bottom face member 2 constitutes the member which holds the load of the flowerpot, it is necessary to use a flat plate member having a certain degree of rigidity. In the present working example a plastic plate is used, but, as shown in Fig. 2, may also be formed in a disk shape.

[0017] In order to enhance the decorative qualities, the aforesaid lace member 3 uses a tape-form ribbon. In this working example, holes 4 are formed in the circumferential area of the outer edge (on the circumference of a circle positioned at a distance radius R of the flowerpot from the center of the flexible cover sheet + height H of the flowerpot + edge width W of the flower pot + an additional short length e) of the flexible cover member 1, multiple (at least 10) holes 4 are formed at a regular pitch, eyelets 4a are attached thereto (alternatively, hemstitching or other treatment may be performed), and by inserting the lace member 3 through said holes, it is engaged with the flexible cover member 1.

[0018] As shown in Fig. 4, when the flowerpot 5 is placed in said flexible cover member 1 and the two ends of the lace member 3 are drawn and tied, to the outer edge portion of the flexible cover member 1 is in gathered up at the upper part of the flowerpot 5, and covers the outside of said flowerpot 5.

[0019] When watering the foliage plant 6 planted in the flower pot 5, the lace member 3 is loosened, and, as shown in Fig. 5, the flexible cover member 1 is opened to a wide angle. In this way, water splashing from the upper edge part of the flowerpot 5 is caught by the flexible cover member 1 which has been spread and is collected in the bottom face member 2, and the surrounding floor area is not made wet.

[0020]

[Effect of the Invention] As explained above in detail, by virtue of the constitution of the flowerpot receiving plate with cover according to the present invention, by watering a foliage plant, etc. in the flowerpot with the flexible cover member open to a wide angle, water splashing from the upper edge part of the flowerpot is caught by the flexible cover member which has been spread and is collected in the bottom face member, and the surrounding floor area is not made wet. Moreover, by drawing and tying the two ends of the lace member while the flowerpot is

inside the flexible cover member, the upper edge of the flexible cover member is gathered up around the upper part of the flowerpot and covers the sides of the flowerpot. Thus, not only is the decorative effect around the flowerpot enhanced and the temperature retaining properties of the flowerpot improved, but also water escaping through the flowerpot into the bottom face member is not immediately evaporated or dispersed, and moisture retaining properties can also be improved. In addition, since the flowerpot cover and water receiving dish being combined as a single unit, they are easy to attach to the flowerpot and need not be moved separately.

[Brief Explanation of the Drawings]

[Fig. 1] is a lateral view showing the structure of a working example of a receiving dish with cover according to the present invention containing a flowerpot in which a foliage plant has been planted.

[Fig. 2] is an expanded view showing a receiving dish with cover according to the present invention.

[Fig. 3] is a lateral partial enlarged view showing a receiving dish with cover according to the present invention.

[Fig. 4] is an explanatory a diagram showing the state in which a flowerpot is held in a receiving dish with cover according to the present invention.

[Fig. 5] is a cross-sectional view showing the state in which a flowerpot is watered with the cover part of the receiving dish with cover according to the present invention spread open.

[Explanation of the Reference Numerals]

- 1 flexible cover member
- 2 bottom face member
- 3 lace member
- 4 hole
- 4a eyelet
- 5 flowerpot
- 6 foliage plant